


EU - TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

- 1 EU - Type Examination Certificate Number: **Baseefa18ATEX0082X - Issue 3**
- 2 Product: **924ex Static Eliminator Bar**
- 3 Manufacturer: **Meech Static Eliminators Limited**
- 4 Address: **2 Network Point, Range Road, Witney, Oxfordshire, OX29 0YN United Kingdom**
- 5 This re-issued certificate extends EU Type Examination Certificate No. **Baseefa18ATEX0082X** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.
- 6 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- 7 The examination and test results are recorded in confidential Report No. **See certificate history.**
- 8 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
See certificate history.
except in respect of those requirements listed at item 18 of the Schedule.
- 9 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- 10 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- 11 The marking of the product shall include the following :
- 12  **II 2G IIC T4 Gb (Ta = -20°C to +38°C)**

SGS Fimko Oy Customer Reference No. **1402**

Project File No. **24/0344**

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Schedule

13

14 **Certificate Number Baseefa18ATEX0082X – Issue 3**

15 Description of Product

The 924ex Static Eliminator Bar is designed to neutralise the charge on any material that is passed in front of it.

It is to be powered by a Meech Hyperion PulseDrive pulsed D.C controller or a Meech 233v4HL set to a maximum peak voltage of 5.5kV. Optionally, a Meech Hyperion BarMaster or SmartControl may also be present.

The bar comprises an encapsulated thermoplastic extruded moulding with protruding emitter pins along one surface. High voltage resistors inside the potting limit the discharge from the emitter pins to safe levels.

The ends of the bar are closed off with covers which on one end provide an entry for the supply cable which is protected from damage by flexible conduit.

The length of the bar may be modified to suit particular applications up to a maximum of 4000mm.

16 Report Number

See certificate history.

17 Specific Conditions of Use

1. If there is any damage to the web or material that is being neutralised by the static eliminator bar, then the bar must be checked for damage and relevant maintenance or replacement of the bar carried out.
2. The equipment may not be used in association with dusts having an electrical resistance equal to or less than $10^3 \Omega.m$.
3. The Meech 924EX static eliminator bar shall be supplied only by the Meech Hyperion PulseDrive Pulsed DC Controller or Meech 233v4HL that is set to produce 5.5kV peak maximum.
4. The equipment must be installed so that it is shielded from UV light.
5. The equipment must be installed in a manner that provides complete protection against impact.
6. The user must determine, in consultation with the manufacturer, the suitability of the apparatus for use with particular solvents.
7. The plastic case presents a potential static discharge risk and while in a hazardous area must be cleaned only with a damp cloth.

18 Essential Health and Safety Requirements

Conformity with the relevant Essential Health and Safety Requirements has been assured by direct assessment and justification within the report.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
A924EX- ---- -01-BAS-01	2	19A	11/12/2024	924EX drawing for Baseefa EX sign off

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
A924EX- ---- -01-BAS-01	1	18A	06/03/2024	924EX drawing for Baseefa EX sign off
C2388	1	1	07/08/2018	924EX M12x1.5 Tapped End Cap
C2816	1	2	13/04/2018	80M Ω Resistor (Single)
D2417	1	-	07/08/2018	924EX Extrusion

Number	Sheet	Issue	Date	Description
WI-A924EX- Potting	1 to 5	1	25/09/18	Potting procedure for 924 EX
D2387	1	2	09/12/2019	924EX Blank End Cap

The above drawings are common to IECEx BAS 19.0033X

20 Certificate History

Certificate No.	Date	Comments
Baseefa18ATEX0082X	11 October 2018	The release of the prime certificate. The associated test and assessment against the relevant requirements of the Essential Health and Safety Requirements (EHSRs) of Directive 2014/34/EU was documented in report 16(C)0194 for project 16/0194.
Baseefa18ATEX0082X Issue 1	18 July 2019	To permit a change to the label due to the issue of certificate IECEx BAS 19.0033X. The associated test and assessment against the relevant requirements of the Essential Health and Safety Requirements (EHSRs) of Directive 2014/34/EU was documented in report GB/BAS/ExTR19.0080/00 for project 18/0728.
Baseefa18ATEX0082X Issue 2	11 March 2024	Variation 2.1: To change the material used in the 924Ex extrusion. Variation 2.2: To assess minor mechanical changes. Documented in SGS report GB/SGS/ExTR23.0115/00 for project 23/0229.
Baseefa18ATEX0082X Issue 3	14 January 2025	This issue of the certificate is to allow the use of the alternative power supply: the Meech Hyperion PulseDrive. The product description has been amended to suit the change along with specific condition number 1. The date on drawing A924EX--01-BAS-01 sheet 1 has been corrected. The assessment is covered in report number GB/SGS/ExTR24.0145/00 for project 24/0344.
For drawings applicable to each issue, see original of that issue.		